

**Operating instructions for
Compactor KRS 60
Baujahr / Year of manufacturer 1992**

Typ: KRS -60

Einwurföffnung:		600*1250 mm
Schnecke:	Durchmesser:	577 mm
	Länge:	2230 mm
	Flügelstärke:	28 mm
	Steigung:	600 mm
	Gangzahl:	2
	Drehzahl:	n-/8 l/min
Antrieb	Stirnradgetriebe / E-Motor Keilriemenübertragung P=30 kW n =1400/31 1/min U = 380/660 V f =50 Hz, IP 55, B3	
Getriebe:	Geschlossener Getriebekasten mit integrierter Schneckenlagerung. Zahnrad auf Schneckenwelle aufgesetzt.	
Gewicht	8450 kg	
Ausführung:	Pressschnecke:	Stahl, geschweißt
	Verschleißkopf:	auswechselbar mit Hartauftragsschweißung
	Siebshalen:	ABRO
	Preßflügel:	ABRO
	Grundrahmen :	Stahl, feuerverzinkt
	Getriebekasten:	Sandstrahlen SA 2 Epoxyaufbau mit Schichtdicke 120Mikron Farbton RAL 1001
	Getriebemotor:	Farbton RAL 3020
	Filterauffangwannen:	1.4435 (AISI 316)
	Einlaufschacht:	14435 (AISI 316)
	Abdeckhauben:	1:4435 (AISI: 316)
Zubehör:	Hydro- Aggregat:	inbegriffen
	Fettschmierpumpe:	inbegr. 0,25 kw, 380V 50Hz, IP55
	Preßdüse:	inbegriffen, hydraulisch verstellbar
Steuerung:	automatische Sicherheits- und Regelsteuerung Speicherprogrammierbare Steuerung (SPS)	
Steuerspannung:	220 V 50 Hz	

Steuerkasten:	Inbegriffen:	1200*1200*250 mm
Umgebungsbedingungen.	Aufstellungsort:	in Gebäude geschützt
	Temperatur:	0 bis +35 Grad C

Machine type:	KPS 60 30 kW, with V-belt	
El. connection (network):	3x660 V, 3x390 V, 220 Y each leaded separately, 50 Hz	
Electric diagram:	EL 10.0.04	
Hydraulic diagram:	HY 10.0.03	
Colours: Machine:	(incl. hydraulics):	beige RAL 1001
	Gear box:	beige RAL 1001
	Motors:	red RAL 3020
	Control cabinet:	pebble grey RAL 7032
	Lubricating point:	flame red RAL 3000

STANDARD MACEIINE EQUIPMEN	parts list resp. drawing-No.	sheet - no.
Compactor standard equipment with wearing bars	KRS 60—05—001	1c, 2b, 3d, 4, 5
Screws galvanized	KES 60-05-001	7, 8a, 9
Screw drive 30 kW with V-belts	KRS 60—05—001	20
Hydraulics	HY 10-0-03	1,2
Electrics	EL 10-0-04	1,2,3

Options

Base frame with filtrate collecting pan	KRS 60-05-001	15
Supports H= 300	KRS 60—65—120	
Flushing with valves	KRS 60—65—015	

Wear parts- and spare parts list	Spare parts list	sheet—no.
Wearing parts list	KES 60-09-004	1
Spare parts, mechanics	KRS 60-09-102	1
Spare parts, seals	KRS 60-09-200	1
Spare parts, hydraulics	KRS 60-09-402	1
Spare parts, electrics	KRS 60-09-503	1

Remarks

Foundation drawing	KRS 6000-003
Length of hydraulic hoses:	machine - unit 3 m
	Date: 16.10.92
	Originator: UM

General machine data

Inlet opening:	600 x 1250 mm
Nozzle hydraulically operated	
Control: automatic safety- and regulation control	
Screw (with wearing head)	
Diameter	585 mm
Amount of lead:	2
Length:	2230 mm
Lead thickness:	25 mm
Lead:	600 mm
Rate:	7.8 min/l

Drive (Standard) Motor data

Gear box data	Supplier	ADDA
	Rating	30 kW
	Frame	200 L
	Structural shape	B3
	Rated speed	1465 min—1
	Degree of protection	IP 55
	Nominal current ca.	61 A
	Type	143 P
	Supplier	SEW
	Shaft end diameter	Ø 100 mm x 210 mm
	Pulley diameter	d1 = 250 mm, d2 = 250 mm
	Taper lock type 3020	drilled hole Ø 55 mm
	V belt type SPB 1800	4 pieces
	Motor shaft end load	3000 N

Gear box

Press screw double lead, with radial and axial bearings closed design

Machine weight		8500 kg
Hydraulic unit		
Motor data:	Rating/structural shape	2, 2 RW / BS
	Rated speed, protection	1410 min—1 / IP 55
	Voltage, frequencies	380 V, 50 Hz
	Nominal current	5, 2 A
Connection block:	Connection thread	2xR 3/8“
Pump data:	Working pressure	50-70 bar
	Flow rate	5,5 L/min.

Grease-lubrication pump-

Rating	0, 25 kW
Rated speed, protection	1430 min-1 / IP 55
Voltage, frequencies	380 V, 50 Hz
Nominal current	0, 8 A

Flushing with nozzles	1. Inlet part	
	Main connection	R 1 1/2
	Nozzles	24 pieces full cone 90 degrees, type 460.896 OG;, material: brass
	Water quality:	ca. 500 l/min. with p = 5 bar at the nozzles and p = 8-10 bar at the water pump
	Water quality:	fresh water
	2. Nozzle part	
	Main connection	R1 1/2
	Nozzles	a) 8 pieces full cone 90 degrees type 460.886 03, material: brass b) 4 pieces full cone 60 degrees, type 460.844 03, material: brass
	Water quantity	ca. 260 l/min. with p = 5 bar at the nozzles and p = 8—10 bar at the water pump
	Water quality	fresh water
Anticorrosion provisions (Standard)		
Screw-frame and thick-walled parts		galvanized
Cover hoods and inlet hopper		stainless steel (1.4435) sand blast SA 2,5 Epoxyconstitution with layer 120 microns
Machine (incl. hydraulics):		beige RAL 1001
Gear box		beige RAL 1001
Motors		red RAL 3020
Control cabinet:		pebble grey PAL 7032
Lubricating point		flame red RAL 3000
Ambient conditions		
Place of installation:		in protected area
Temperature:		0 - + 35 degrees C
Subject to alterations		